

ABSTRACT

An optical detection system according to the present invention includes: a spatial light modulator for modulating the phase of incoming light; a photodetector having a plurality of photosensitive areas to receive the light of which the phase has been modulated by the spatial light modulator; a photosensor selecting section for selecting at least one of the photosensitive areas and activating the selected photosensitive area effectively; and a modulation control section for providing a modulation pattern, associated with the photosensitive area that has been selected by the photosensor selecting section, for the spatial light modulator.